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FIG.1(a)

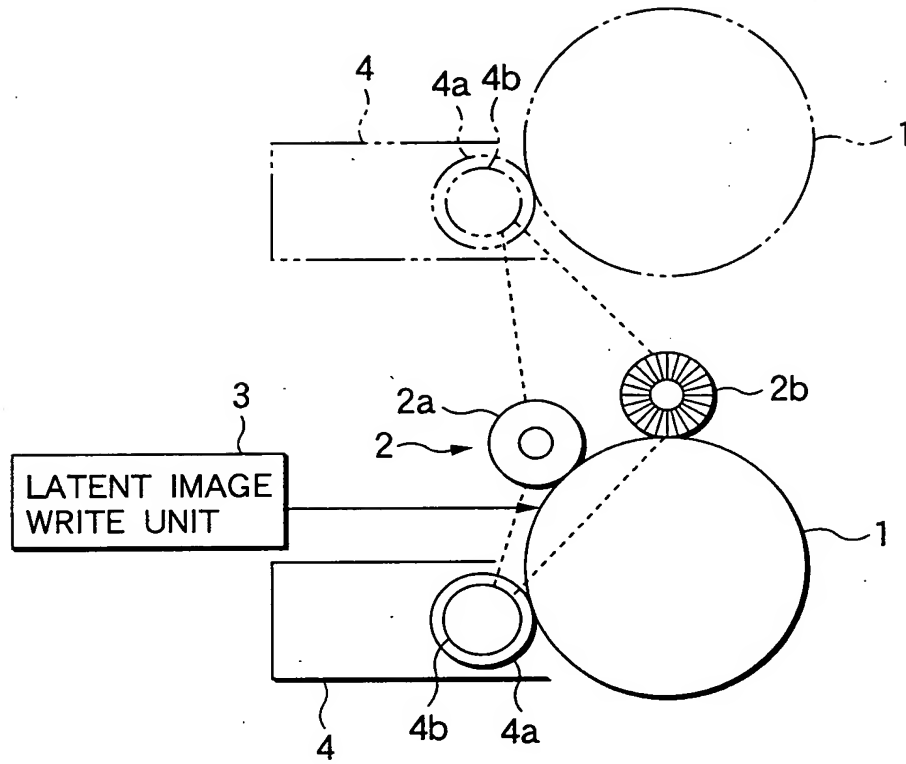
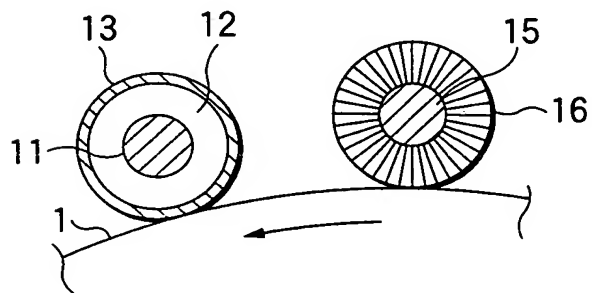
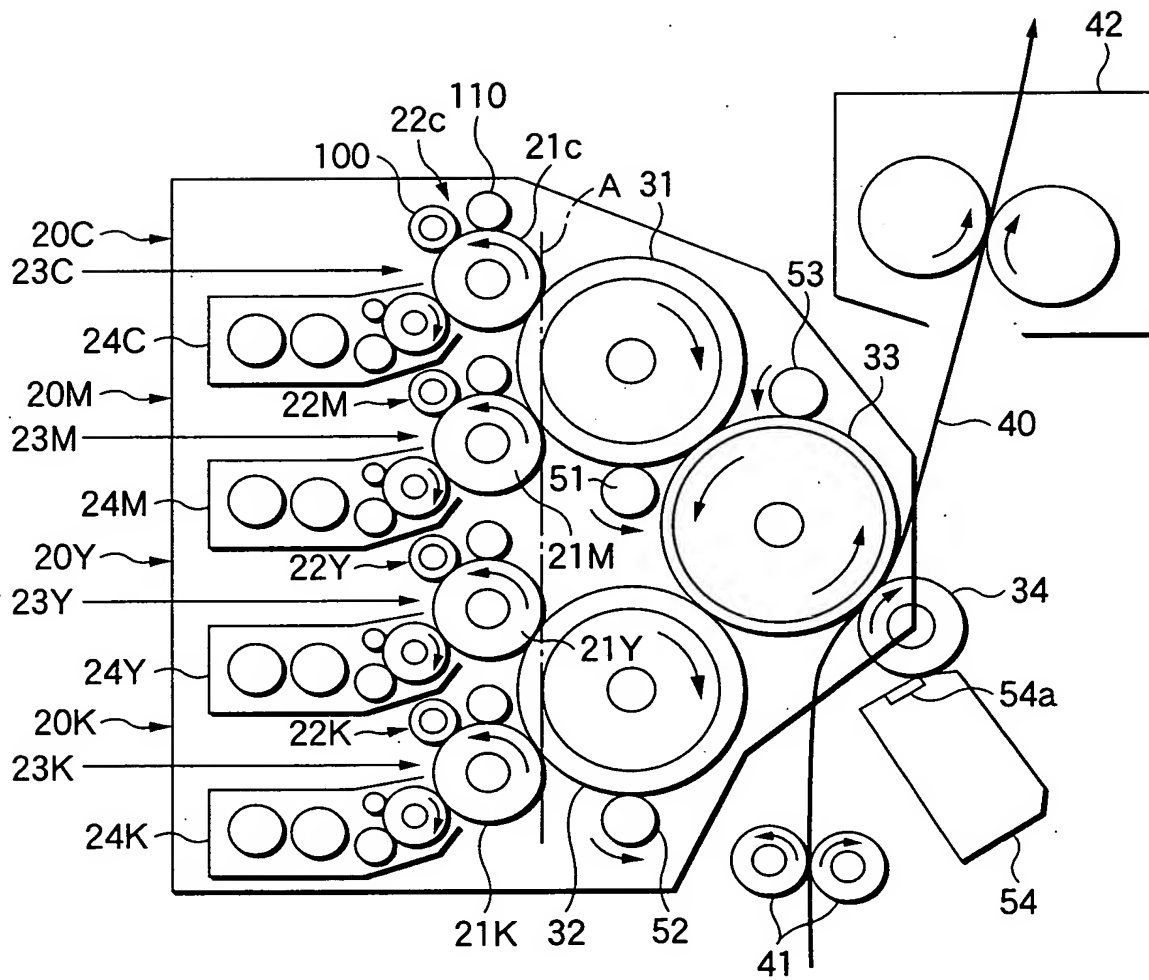


FIG.1(b)



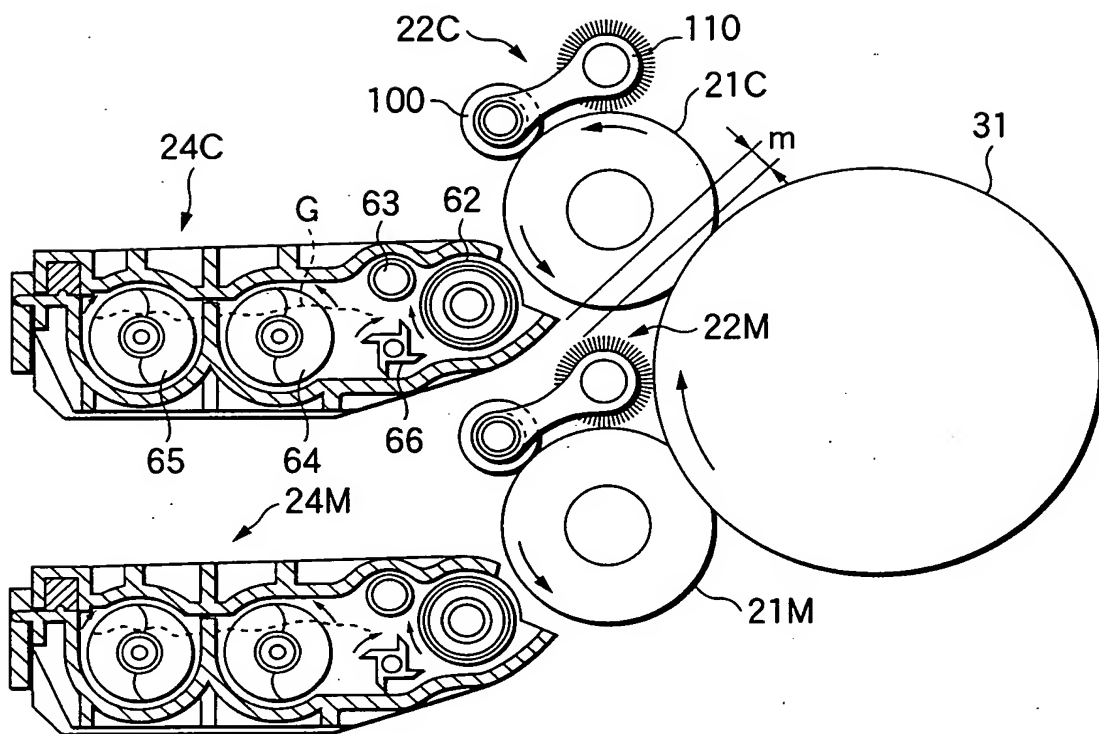
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FIG.2



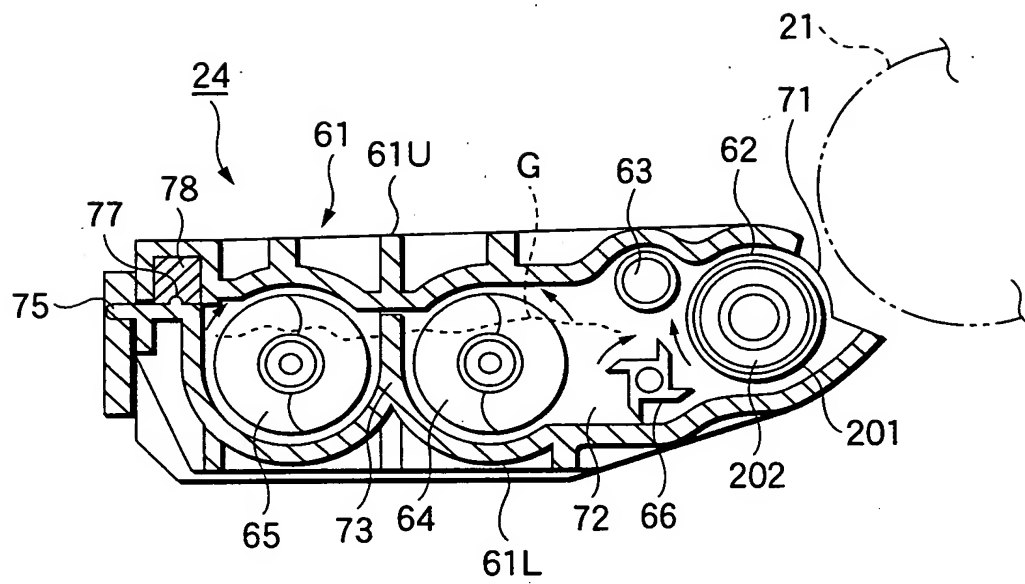
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FIG.3



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FIG.4



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FIG.5

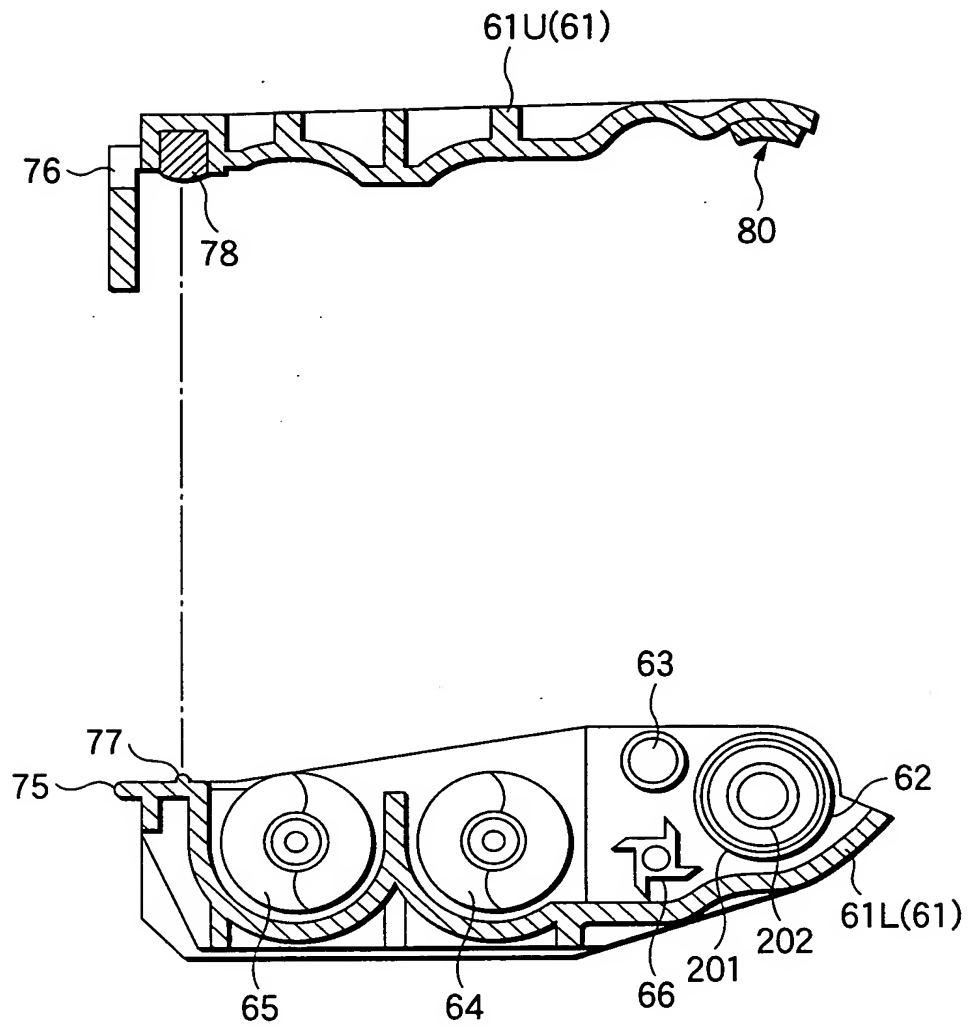
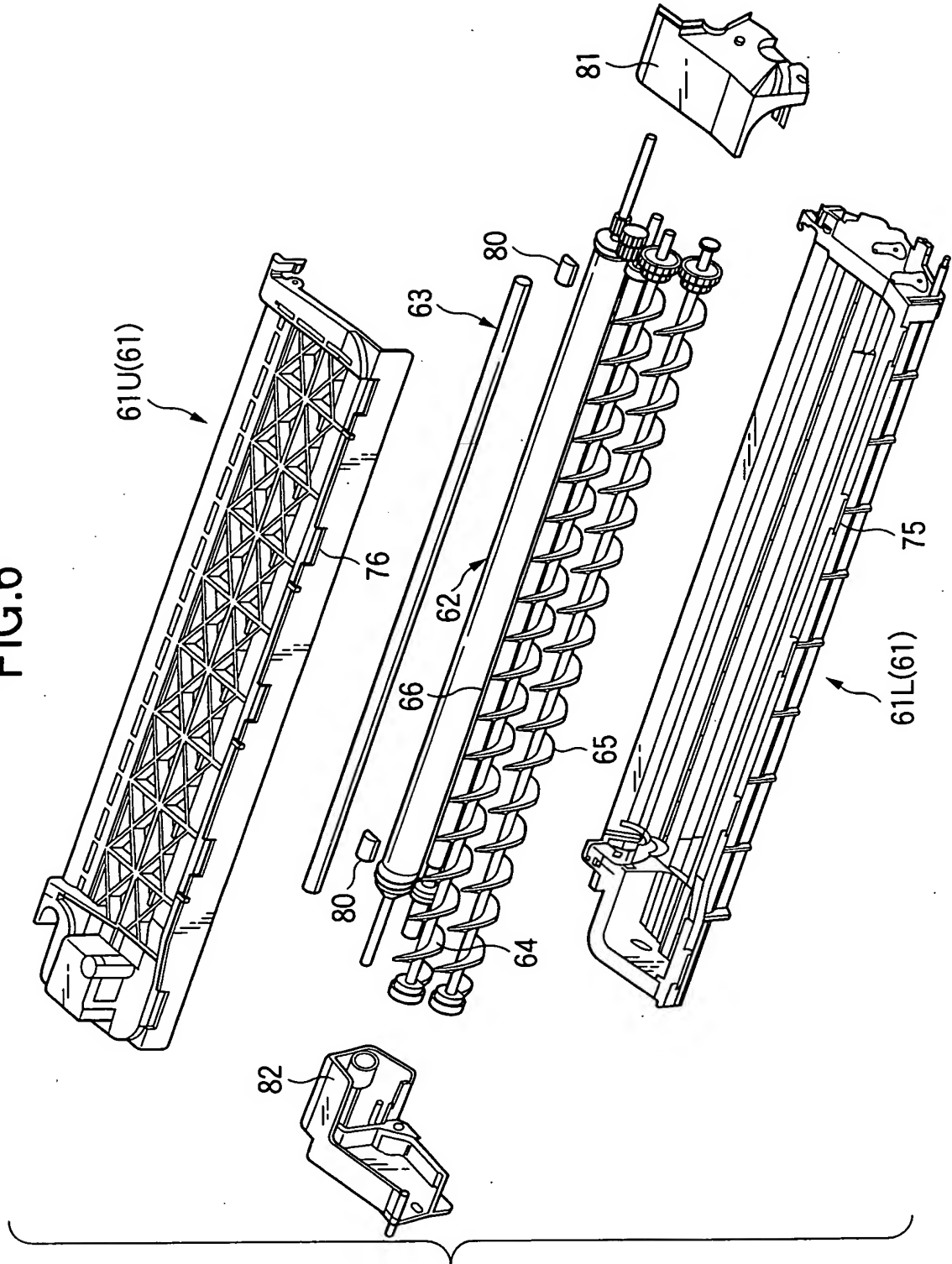
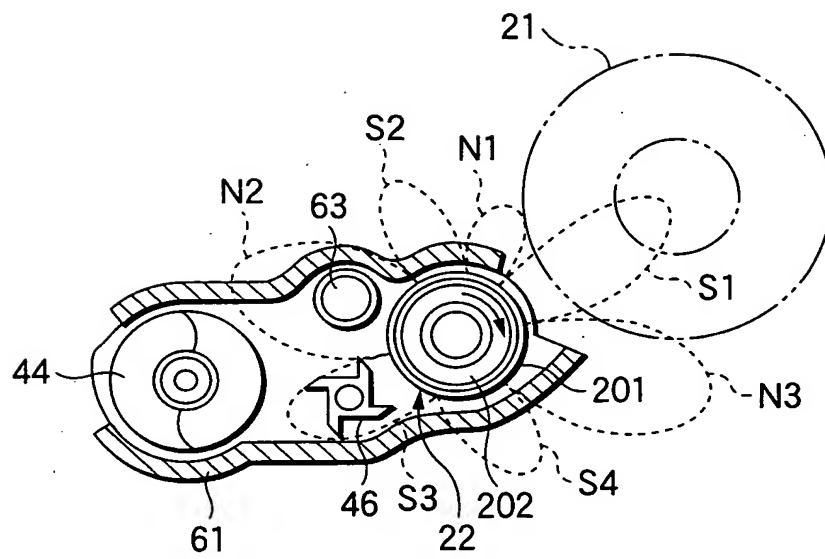


FIG. 6



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FIG.7



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FIG.8(a)

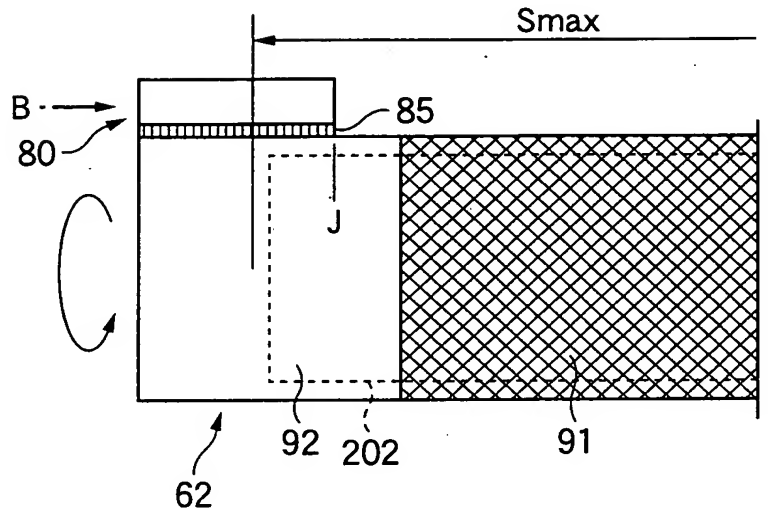


FIG.8(b)

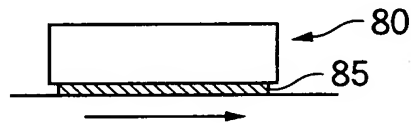


FIG.9(a)

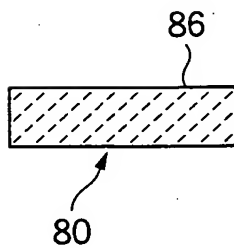


FIG.9(b)

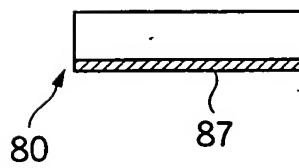
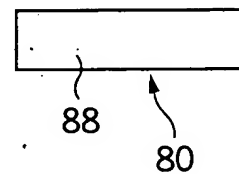


FIG.9(c)



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FIG.10(a)

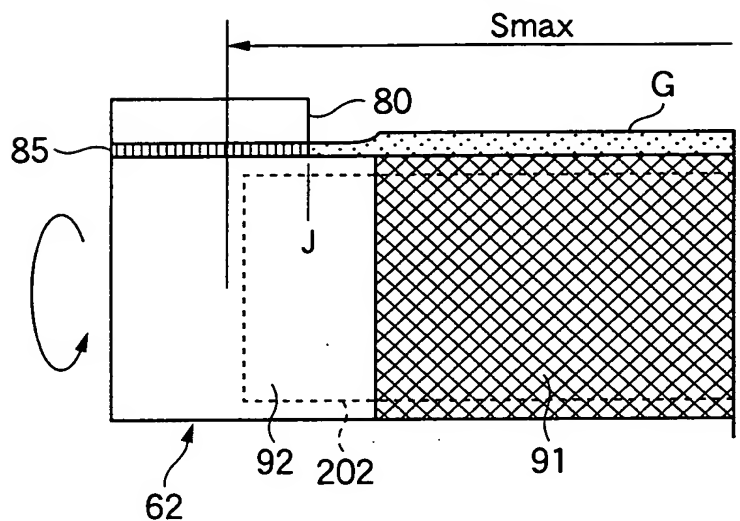
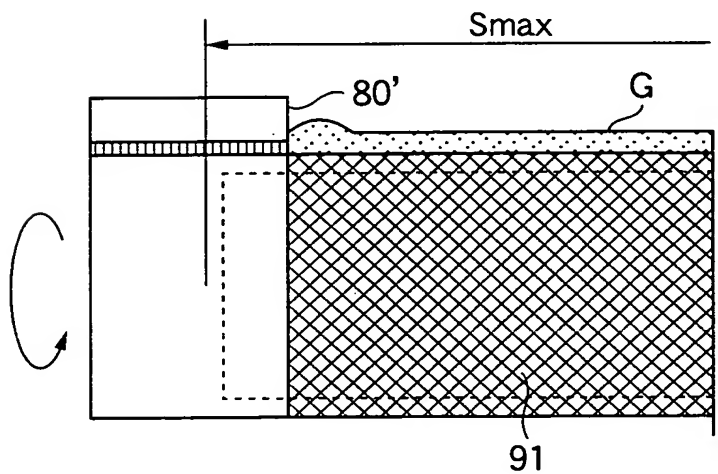
MODEL ACCORDING TO
FIRST EMBODIMENT

FIG.10(b)

COMPARATIVE MODEL



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FIG.11(a)

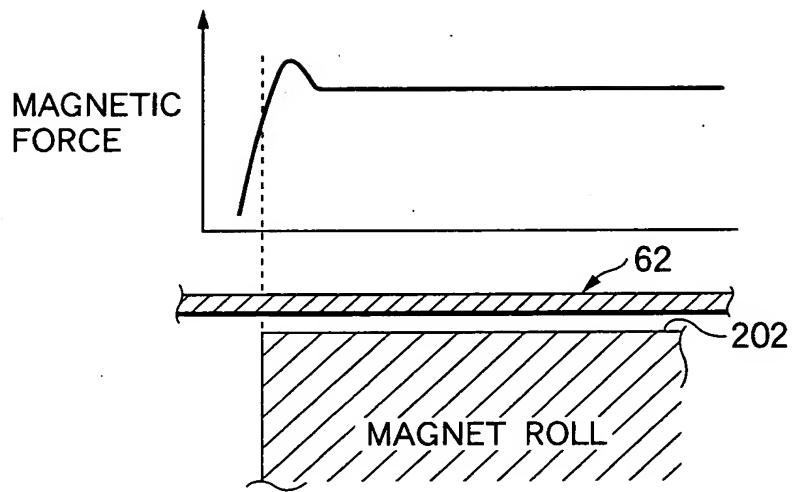
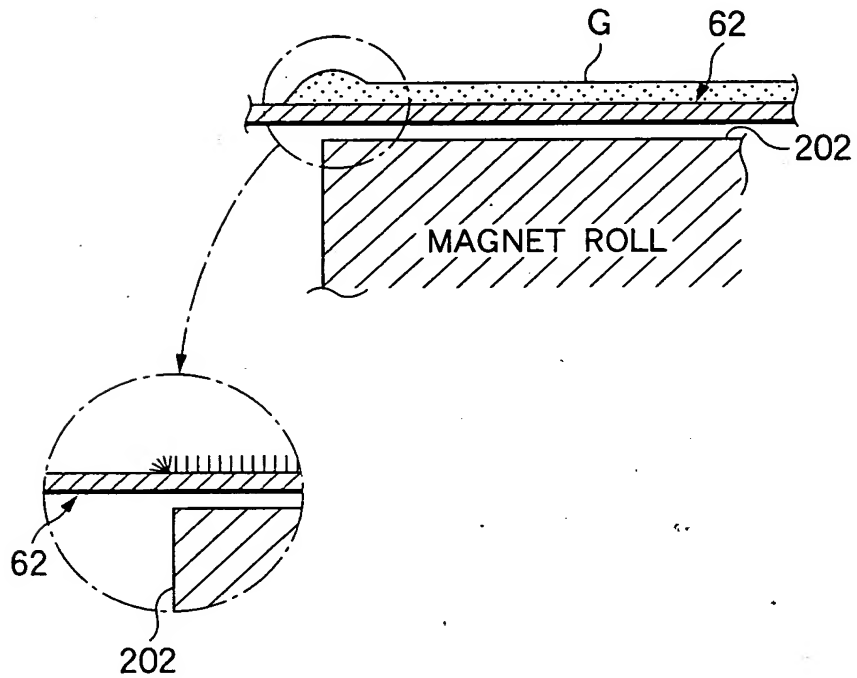


FIG.11(b)



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FIG.12(a)

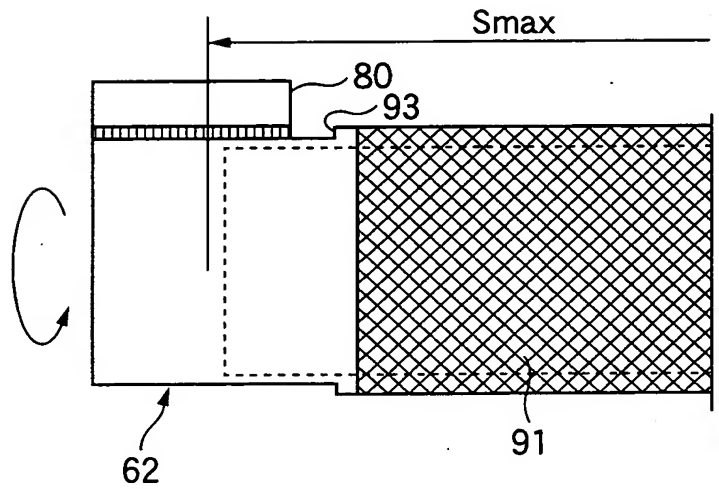
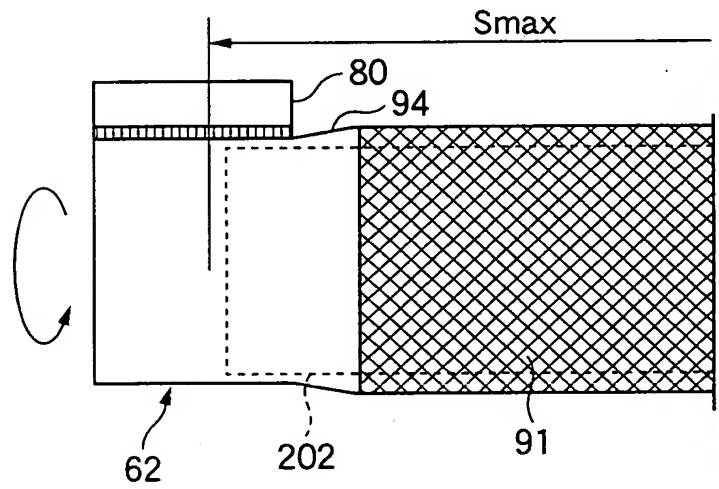
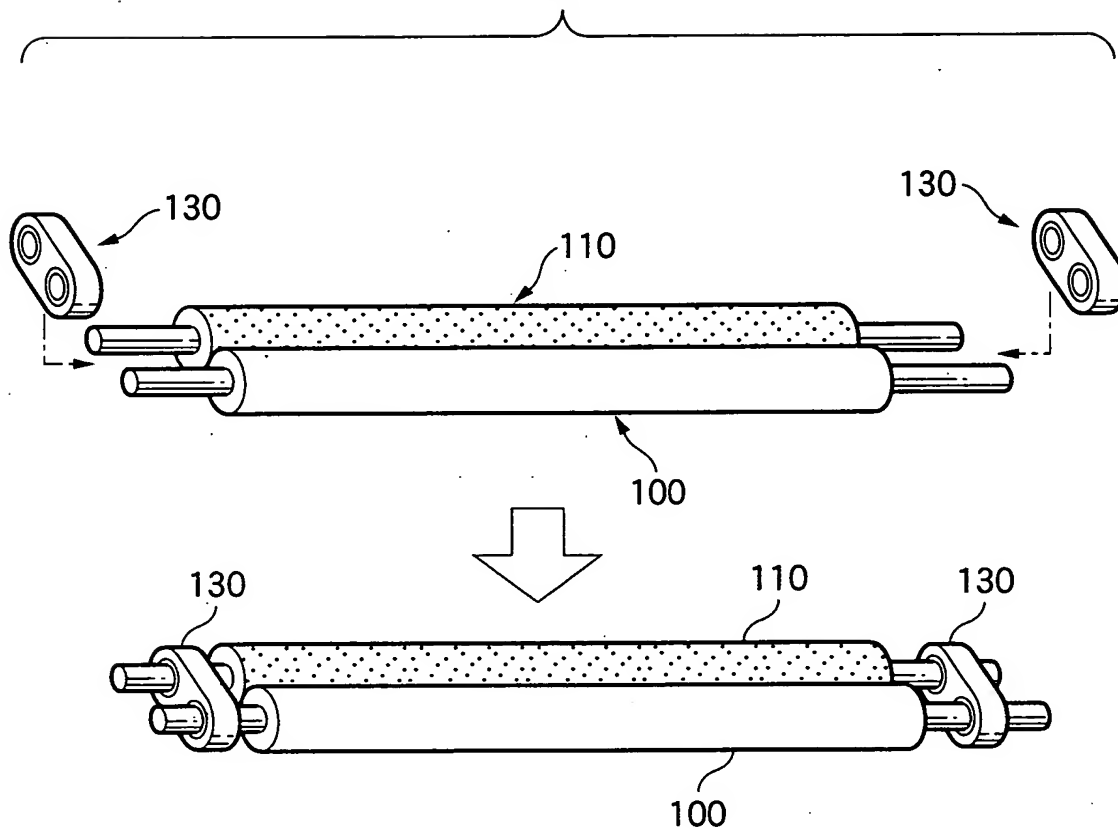


FIG.12(b)



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FIG.13



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FIG.14(a)

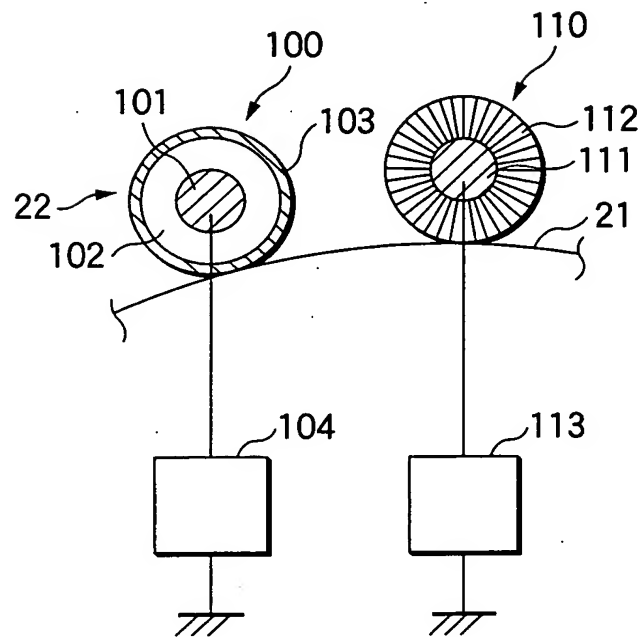


FIG.14(b)

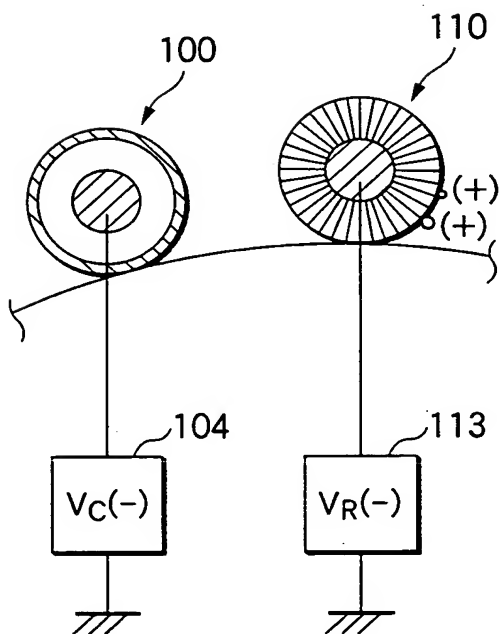


FIG.14(c)

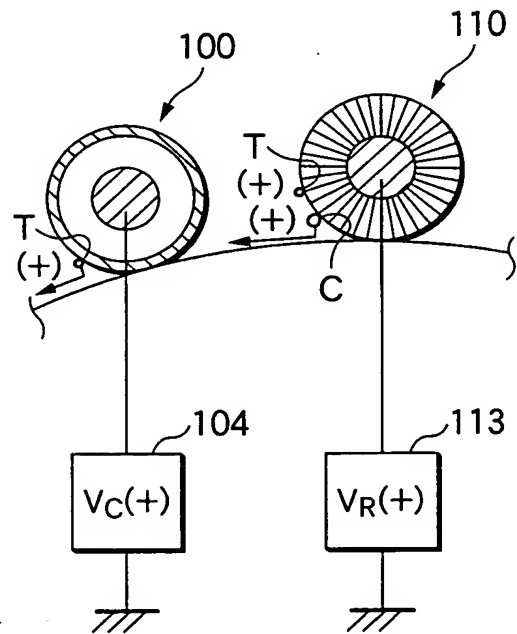


FIG.15(a)

● END PART SPOT CAUSED BY BCO/CARRIER SCATTER

| | PAPER END PART POSITION | DISTANCE BETWEEN PAPER END PART AND BLAST END PART | | |
|---|-------------------------|--|-----|-----|
| | | 3mm | 4mm | 5mm |
| DISTANCE BETWEEN THIN LAYER AREA REGULATION POSITION AND BLAST END PART | 0mm | ○ | △ | △ |
| | 1mm | △ | ○ | ○ |
| | 2mm | △ | ○ | ○ |

FIG.15(b)

● FOGGING AT UPPER END PART OF PHOTOCONDUCTION DRUM

| | PAPER END PART POSITION | DISTANCE BETWEEN PAPER END PART AND BLAST END PART | | |
|---|-------------------------|--|-----|-----|
| | | 3mm | 4mm | 5mm |
| DISTANCE BETWEEN THIN LAYER AREA REGULATION POSITION AND BLAST END PART | 0mm | △ | △ | △ |
| | 1mm | △ | ○ | ○ |
| | 2mm | ○ | ○ | ○ |

※SHUT DOWN DURING PRINT, TAPE TRANSFER

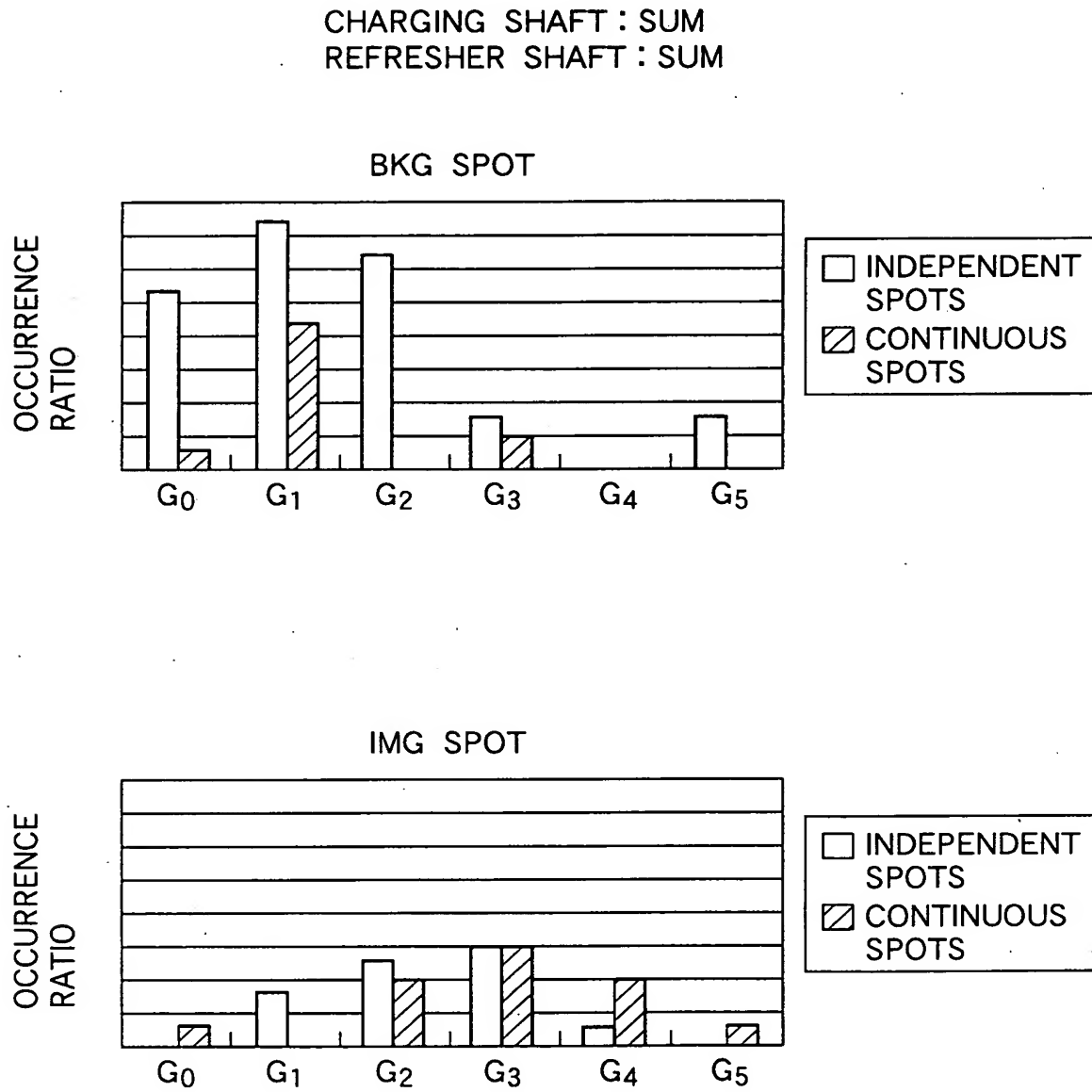
FIG.15(c)

● DIRTY LEVEL OF DRIVER GEAR IN PERIPHERY OF DEVELOPING ROLL END PART

| | PAPER END PART POSITION | DISTANCE BETWEEN PAPER END PART AND BLAST END PART | | |
|---|-------------------------|--|-----|-----|
| | | 3mm | 4mm | 5mm |
| DISTANCE BETWEEN THIN LAYER AREA REGULATION POSITION AND BLAST END PART | 0mm | △ | ○ | ○ |
| | 1mm | ○ | ○ | ○ |
| | 2mm | ○ | ○ | ○ |

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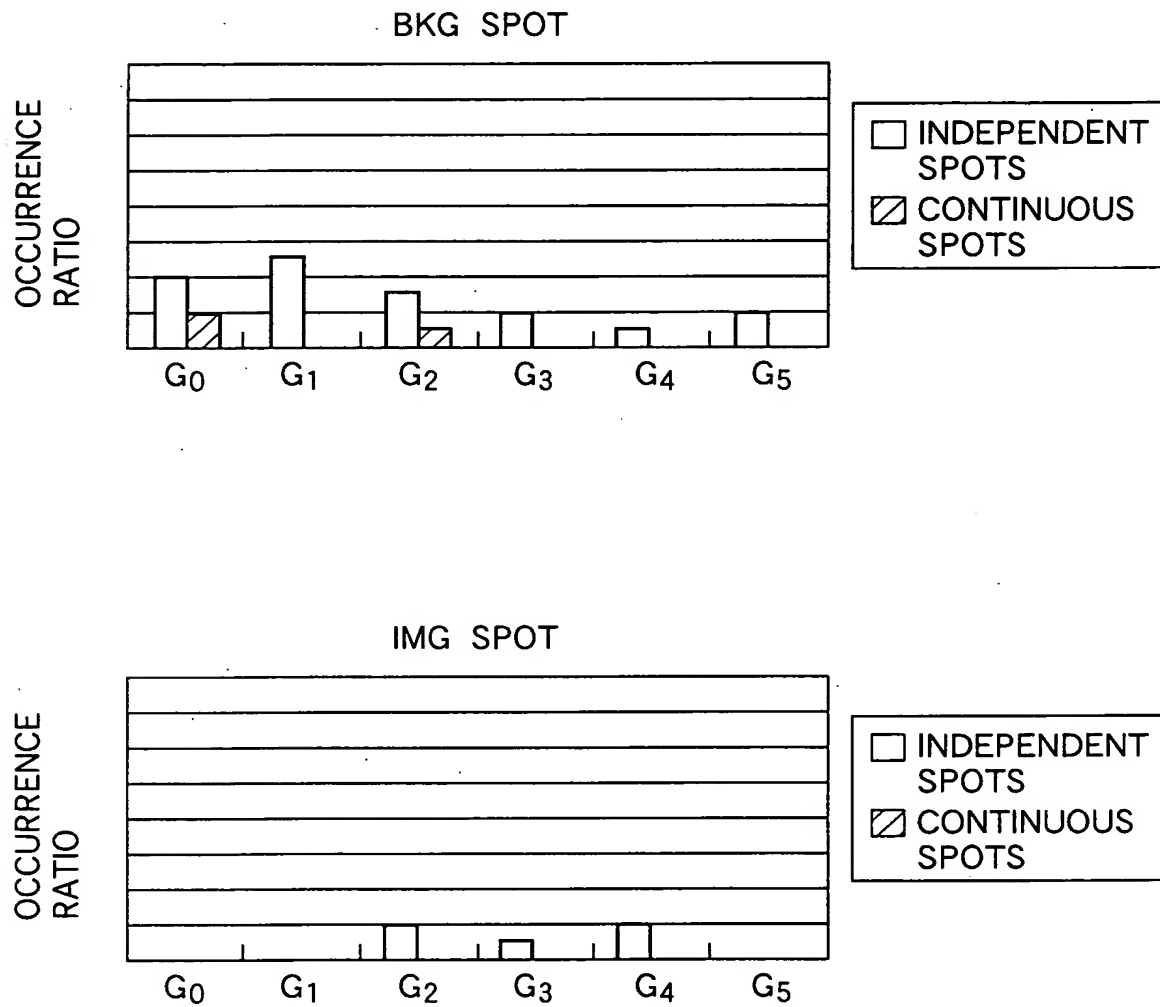
FIG.16



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FIG.17

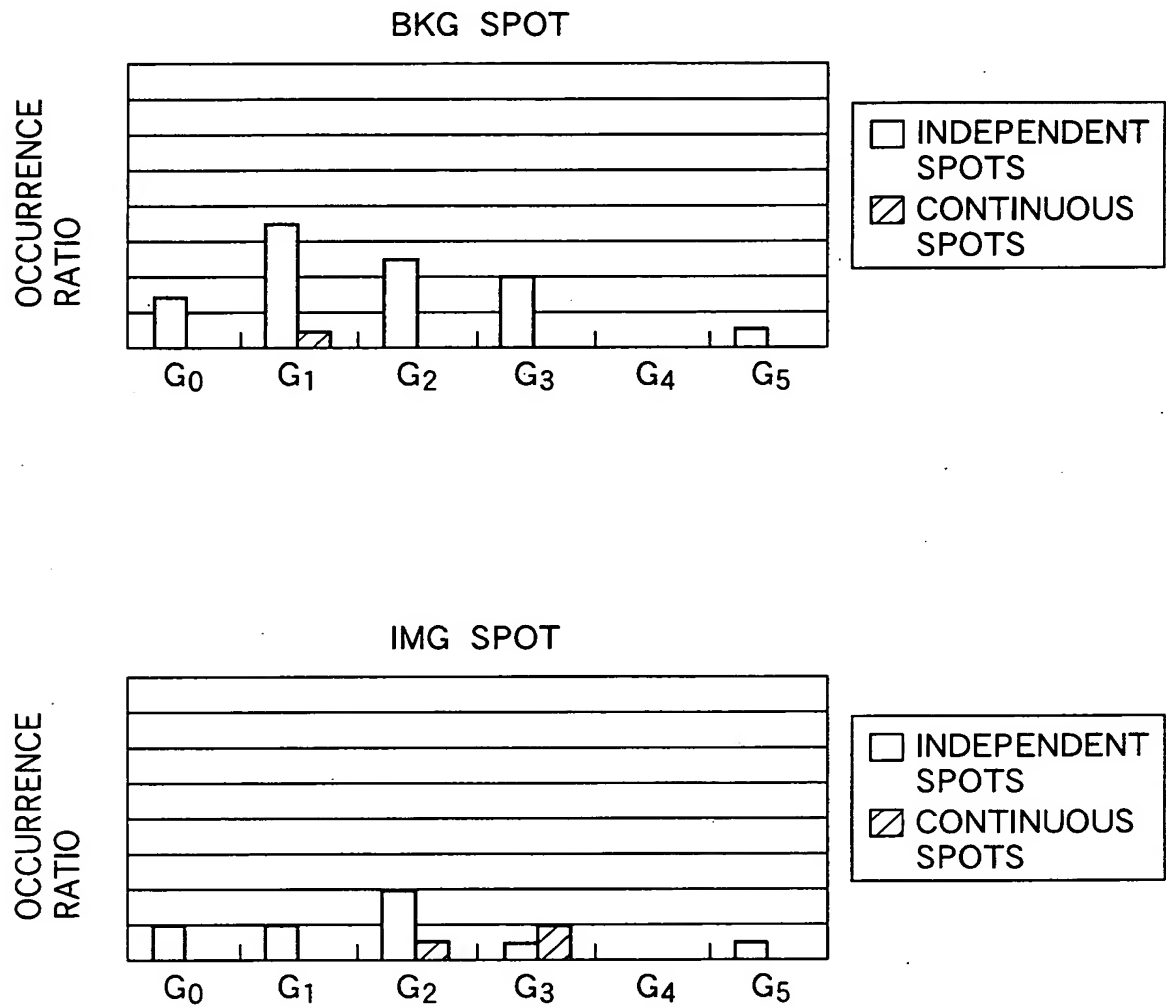
CHARGING SHAFT : SUS303Cu
REFRESHER SHAFT : SUM



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FIG.18

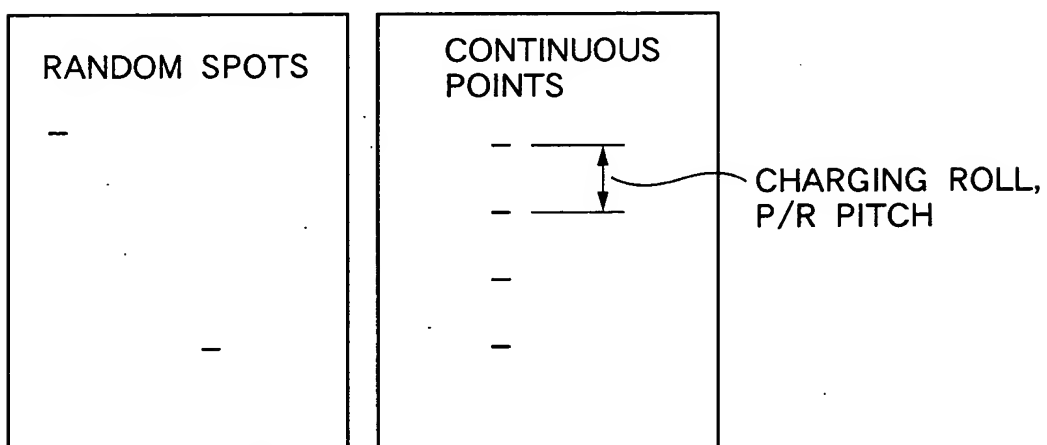
CHARGING SHAFT : SUS303Cu
REFRESHER SHAFT : SUS303Cu



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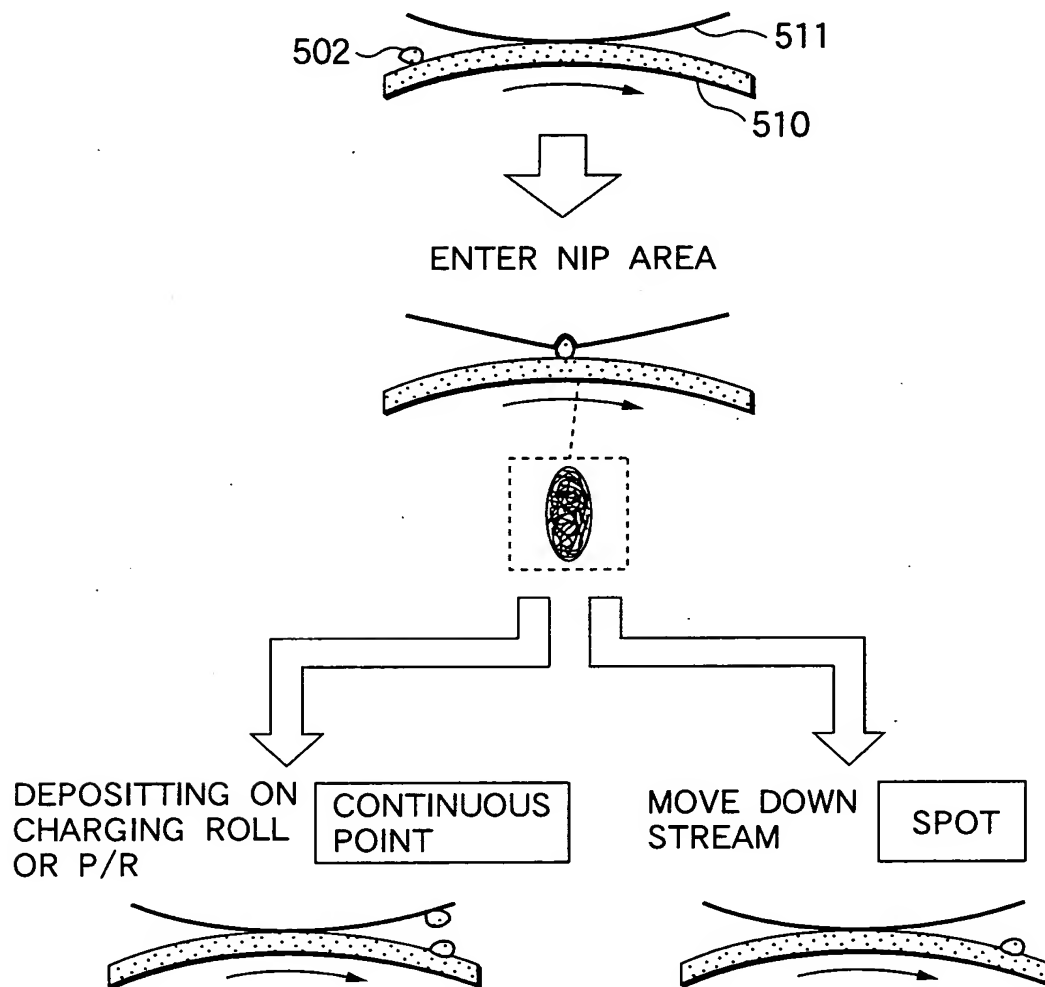
FIG.19

SPOT CLASIFICATION
BY PHENOMENON



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FIG.20



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FIG.21(a)

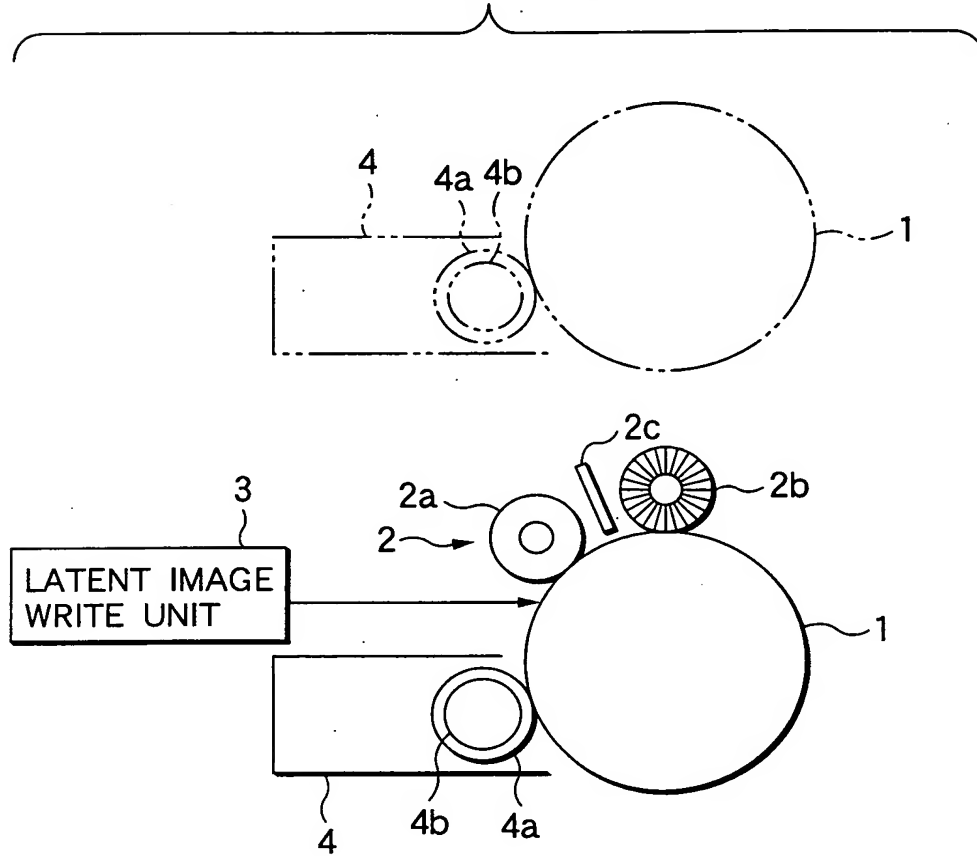
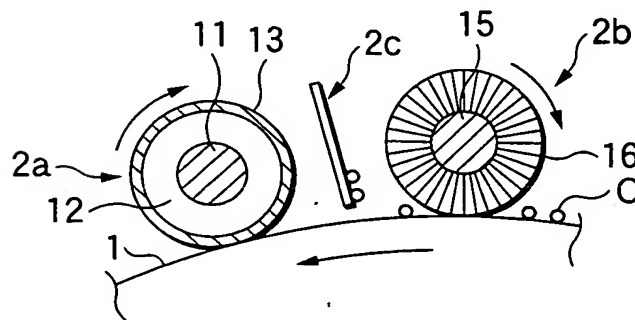


FIG.21(b)



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FIG.22(a)

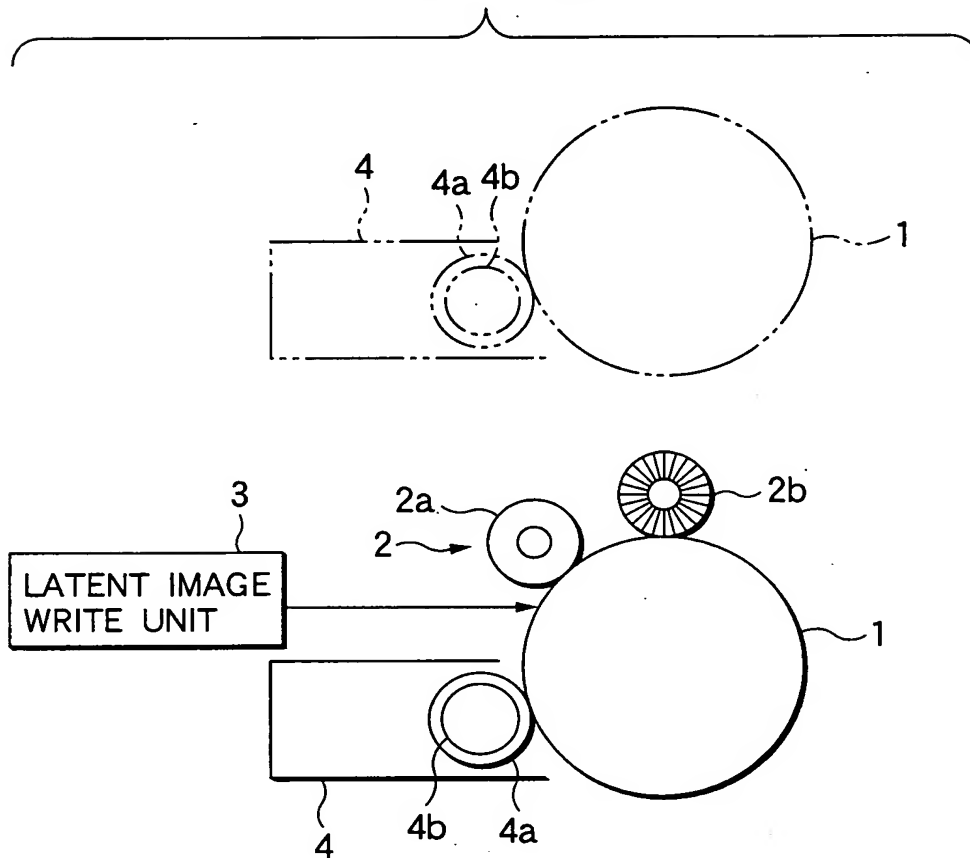
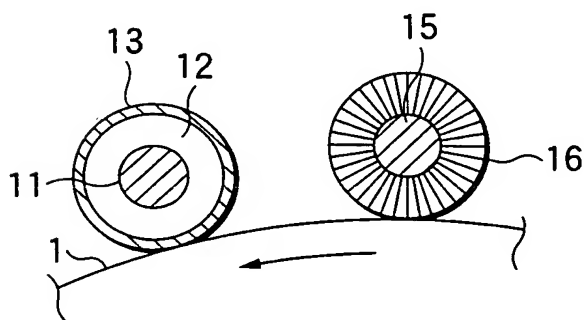


FIG.22(b)



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FIG.23

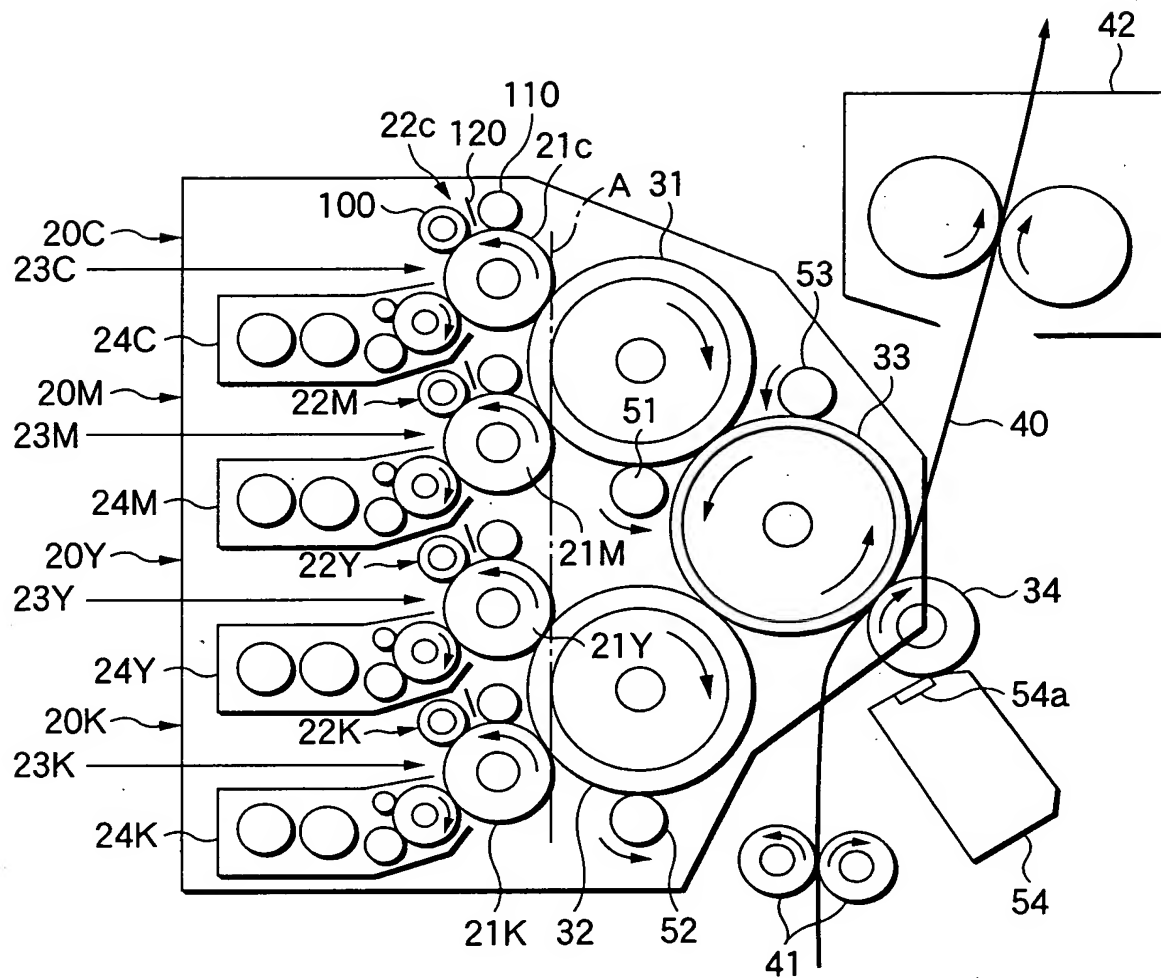
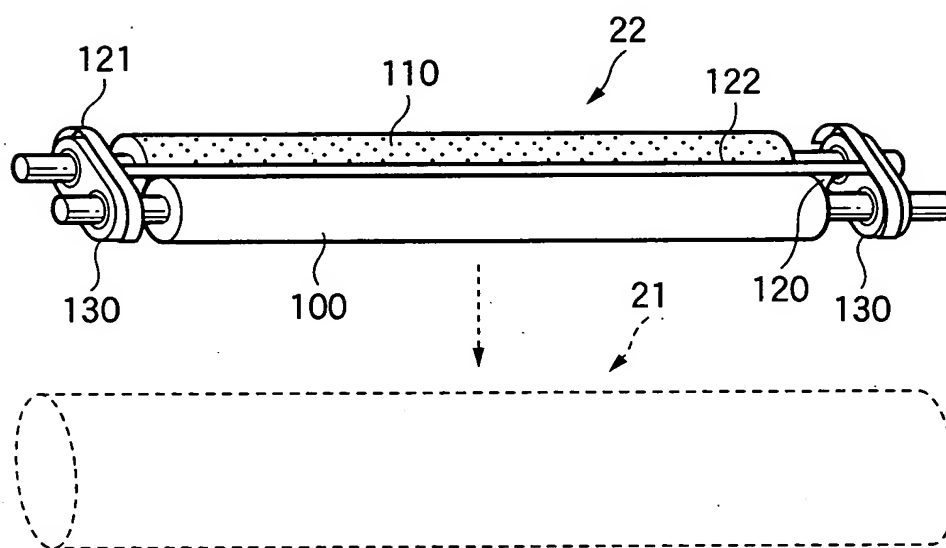


FIG.24



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FIG.25(a)

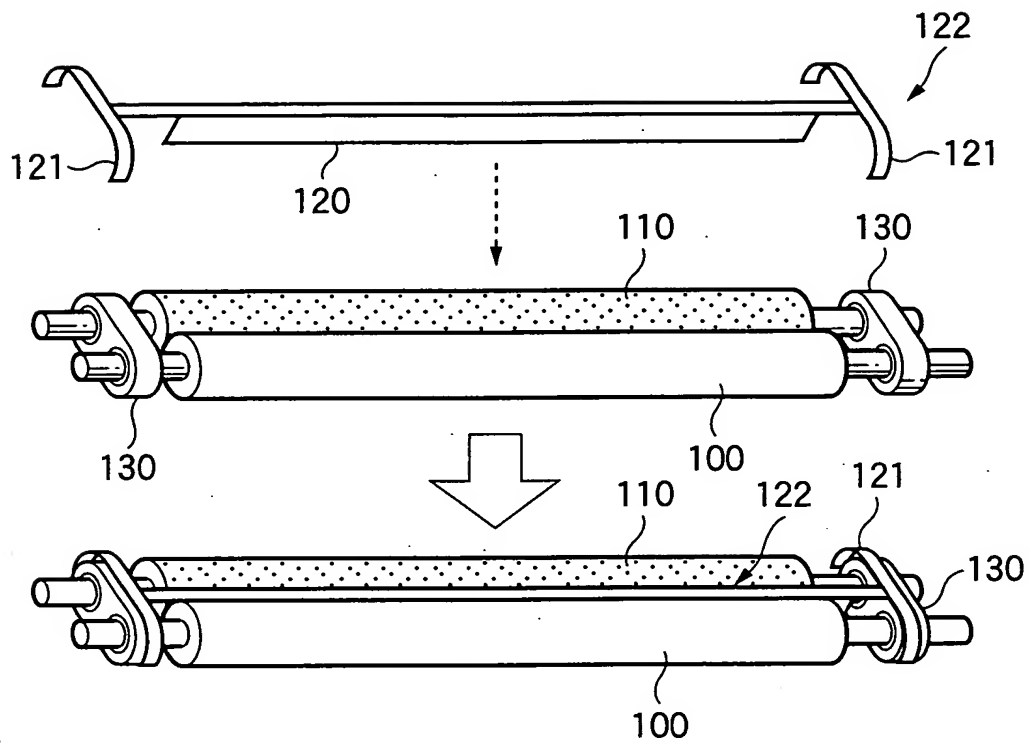
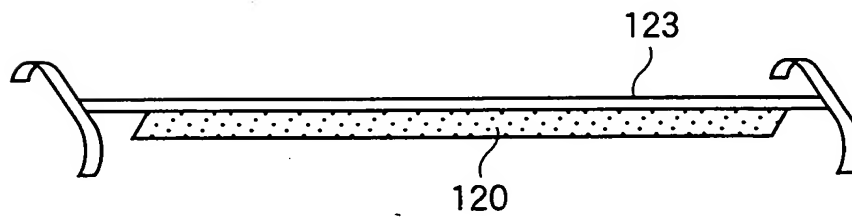


FIG.25(b)



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FIG.26(a)

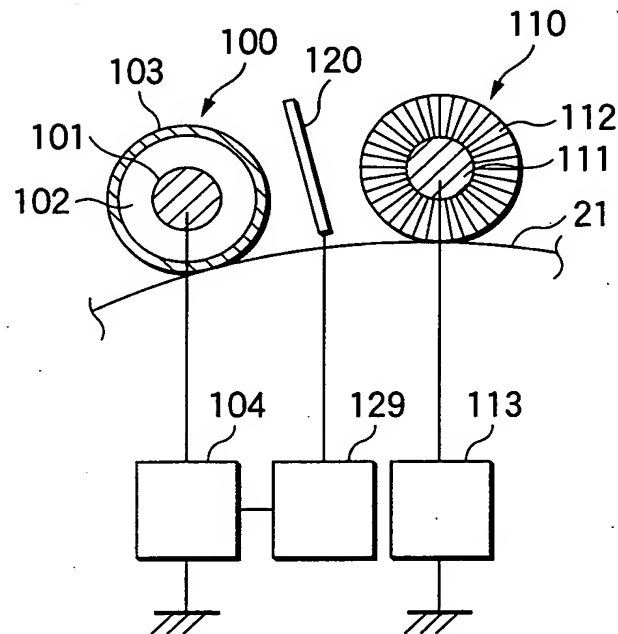


FIG.26(b)

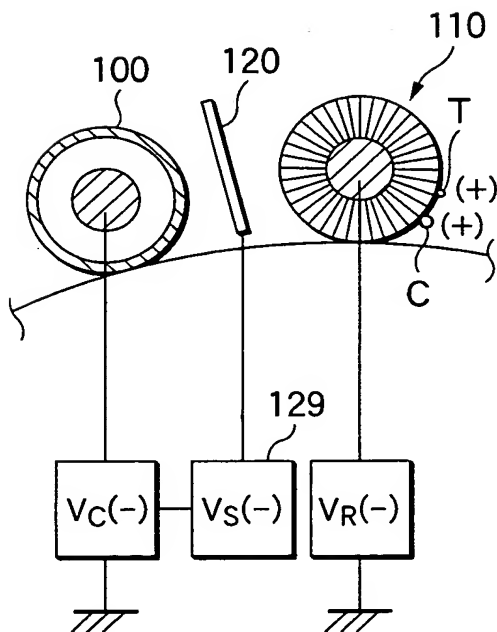
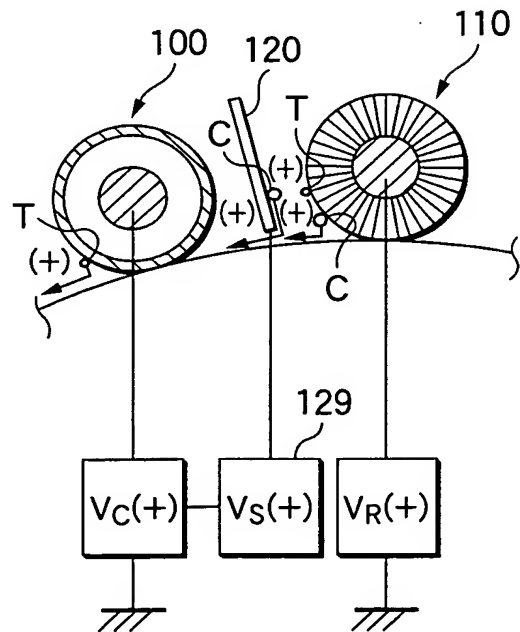


FIG.26(c)



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FIG.27(a)

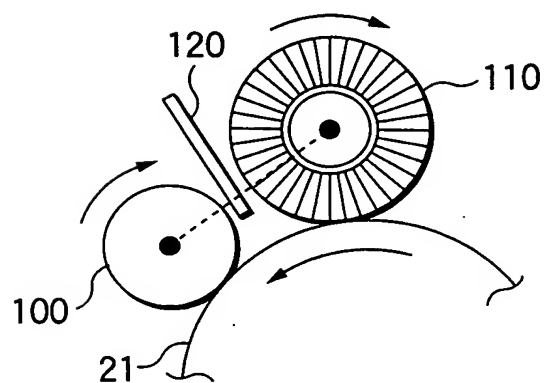


FIG.27(b)

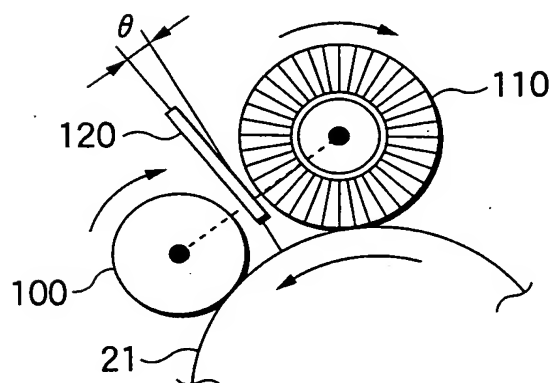
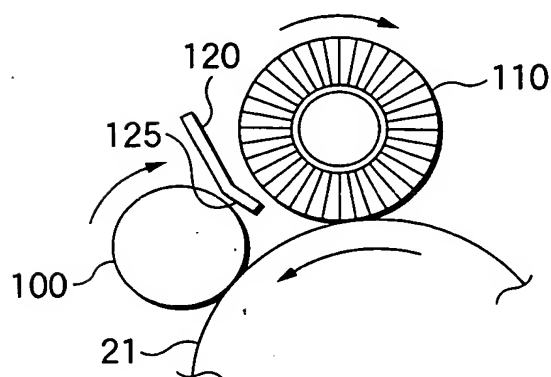


FIG.27(c)



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FIG.28(a)

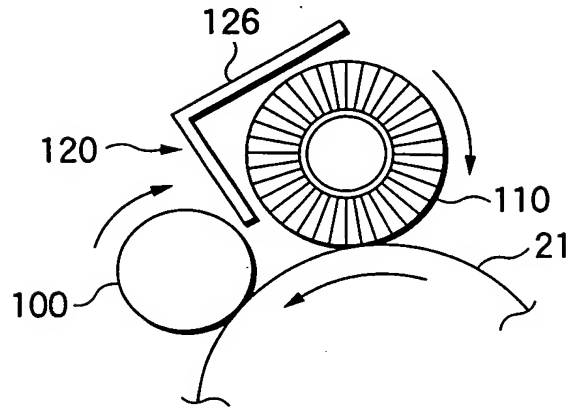


FIG.28(b)

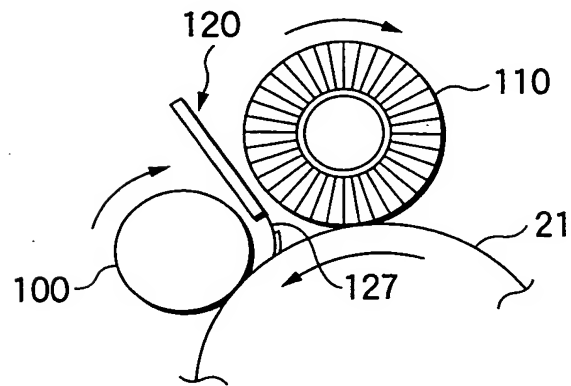
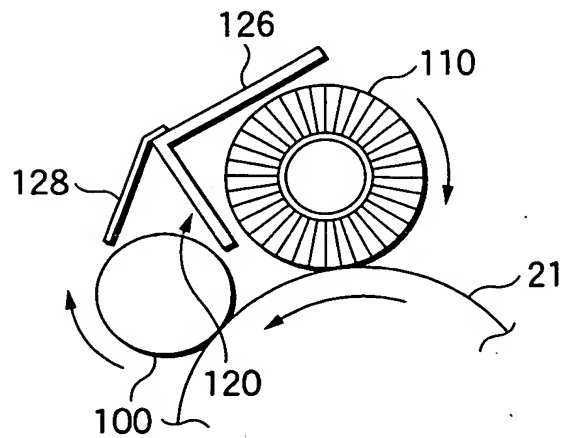


FIG.28(c)



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FIG.29(a)

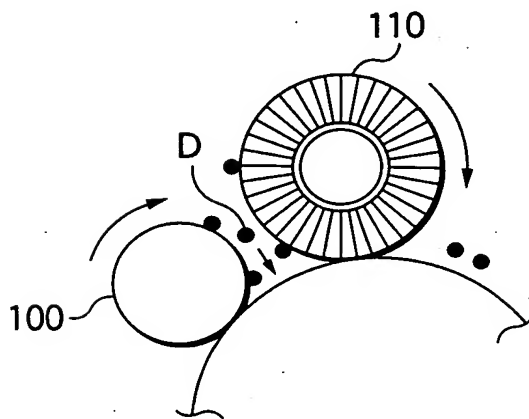


FIG.29(b)

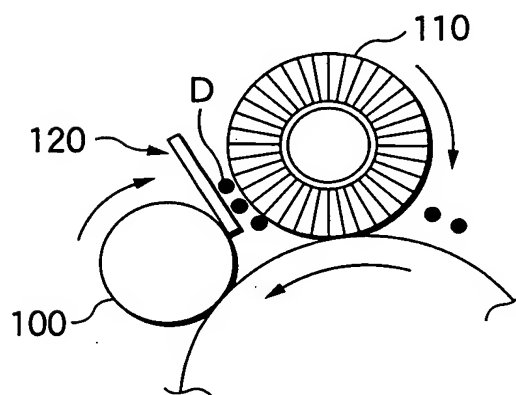
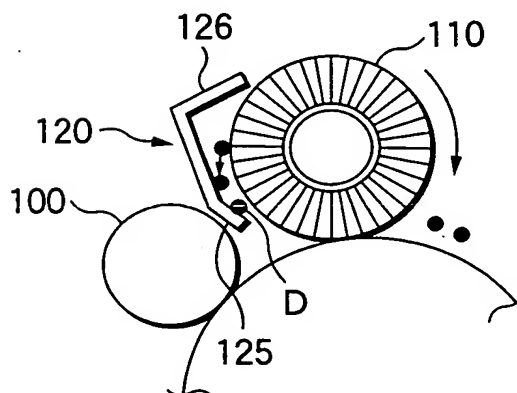
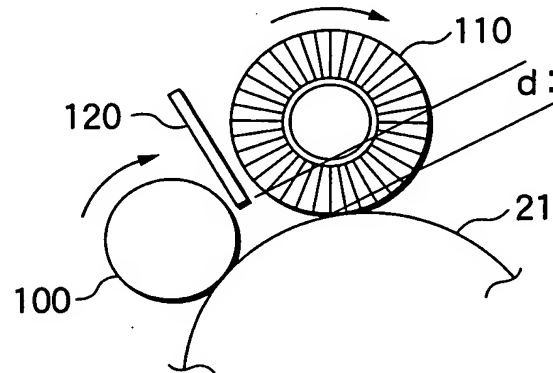


FIG.29(c)



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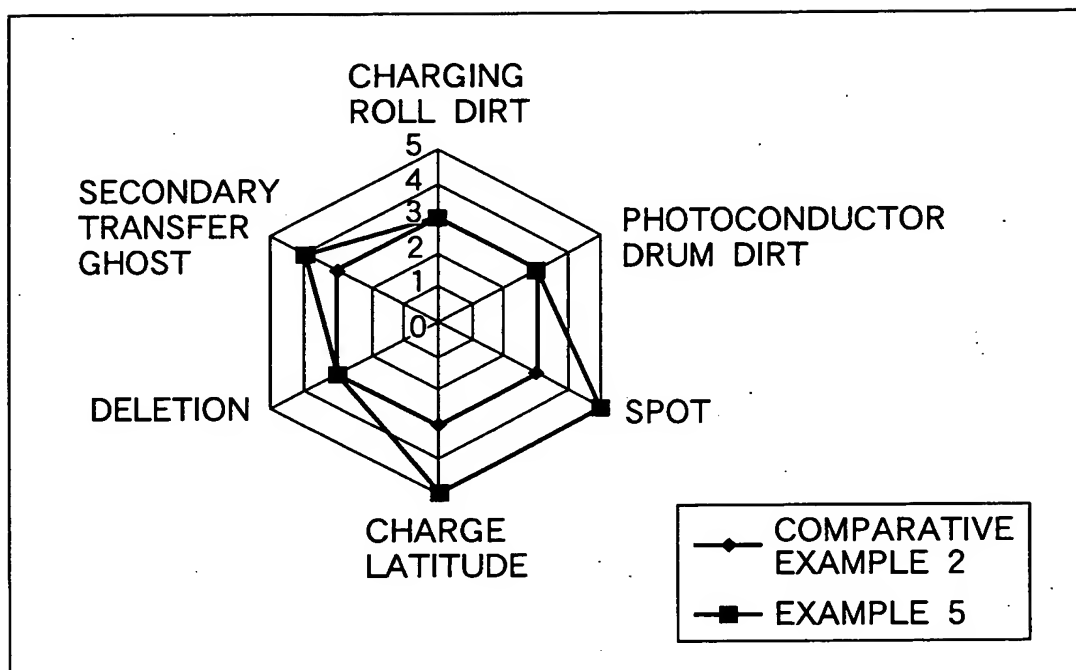
FIG.30



| d(mm) | OCCURRENCE OF SPOT |
|----------------|-----------------------|
| 0 (CONTACT) | ○ |
| 0.5 | ○ |
| 1.0 | ○ |
| 2.0 | ○ |
| 3.0 | ○ |
| 4.0 | × |

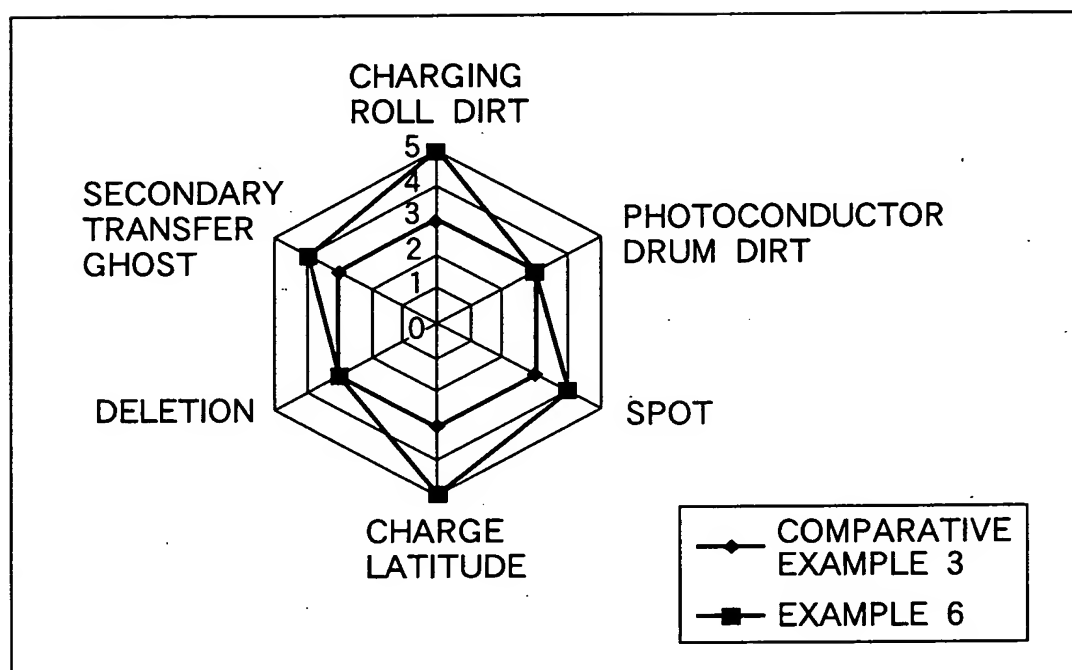
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FIG.31



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FIG.32



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FIG.33

